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(74) Agent: **OLDS, Theodore W.**; Carlson, Gaskey & Olds,
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(71) Applicant (for all designated States except US): **OTIS ELEVATOR COMPANY** [US/US]; Ten Farm Springs Road, Farmington, CT 06032 (US).

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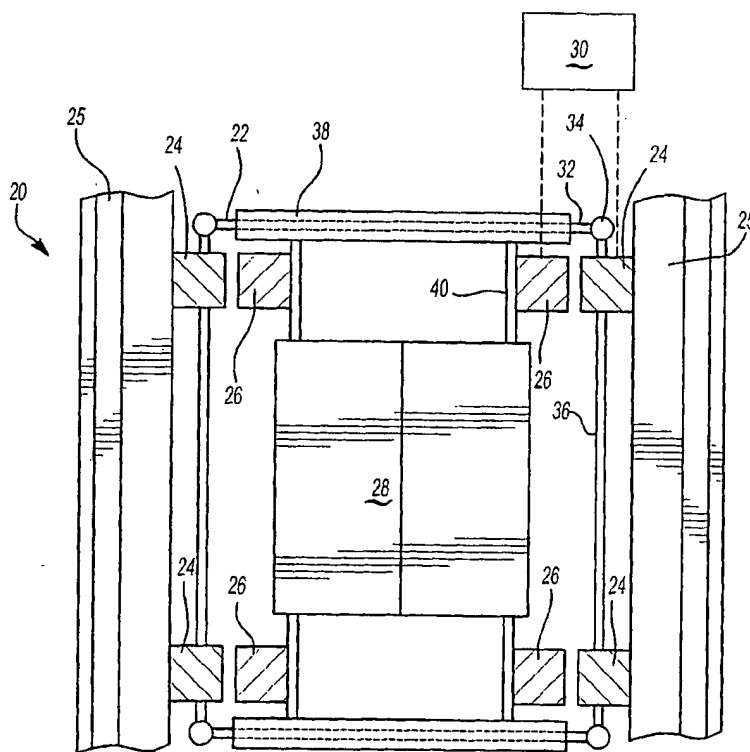
(72) Inventors; and

(75) Inventors/Applicants (for US only): **OH, Jae-Hyuk** [KR/US]; 5 Clearbrook Drive, Tolland, CT 06084 (US). **PENG, Peie-Yuan** [—/US]; 7 Rothe Lane, Ellington, CT 06029 (US). **WINSTON, Howard** [US/US]; 6 Woods Way, Woodbury, CT 06798 (US). **FINN, Alan** [US/US]; 19 Cedar Ridge Drive, Hebron, CT 06248 (US).

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(54) Title: **ELEVATOR ACTIVE SUSPENSION UTILIZING REPULSIVE MAGNETIC FORCE**



(57) Abstract: An elevator includes a car follower (22) associated with each of a pair of guide rails (25), and carrying electromagnets (24) which are spaced from electromagnets (26) on an elevator car (28). The electromagnets on the car and car follower create a repulsive force tending to center the car between the car follower electromagnets associated with the two guide rails. Preferably, the car follower electromagnets are interconnected into a single car follower such that they move together.

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